注塑料—抗冲共聚料

Injection Molding Grade-Impact Copolymer

产品简介

中国石化是国内抗冲共聚聚丙烯的主要供应商，这种树脂是通过在半晶的丙烯均聚物基体中引入橡胶化的乙丙共聚物而产生的多相共聚物。产品具有高热变形温度、良好的耐划痕性以及低温抗冲击性和良好的刚韧平衡性，同时具有良好的流动性，制品成型周期短，成型加工性能优异。

Overview

Sinopec is the main supplier of PP impact copolymer in China. The resin is created by intruducing ethylene-propylene rubber inside semi-crystalline PP homopolymer matrix. It has high heat deformation temperature(HDT), good scratching resistance, good impact resistance at low temperature, good rigid-tough balance and good fluidity. Products made from this resin are characterized by fast processing and excellent processability.

主要用途

抗冲共聚聚丙烯广泛用于制作汽车仪表板和内饰件、汽车保险杠、洗衣机内外件、蓄电池壳以及油箱等工业制品，也用于制作日杂用品，如瓶盖、厨具、家具、玩具、工具箱、旅游箱包以及各类包装容器等。

Main Applications

PP impact copolymer is widely used in the production of industrial products, such as dashboard, auto interior decorations, auto bumpers, interior and exterior parts of washing machine, accumulator containers and tanks. It can also be used to make household articles, such as bottle caps, cookware, furniture, toys, toolkits, travel cases, bags and various packaging containers.

产品包装及贮运要求

产品采用聚丙烯内涂膜编织袋、FFS薄膜袋包装，净重25 Kg /袋。

产品应存放在通风、干燥的仓库内，远离火源，防止阳光直接照射，不得露天堆放。产品运输时不得在阳光下曝晒或雨淋，不得与沙土、碎金属、煤炭、玻璃等混合装运，更不可与有毒物质、腐蚀性和易燃物品混装。

Packages, Storage and Transportation

The resin is packaged in internally film-coated polypropylene woven bags or FFS film bags. The net weight is 25Kg/bag.

The resin should be stored in a drafty, dry warehouse and away from fire and direct sunlight. It should not be piled up in the open air. During transportation, the material should not be exposed to strong sunlight or rain and should not be transported together with sand, soil, scrap metal, coal or glass. Transportation together with toxic, corrosive and flammable substance is strictly prohibited.

主要产品牌号性能指标典型值（非保证值）及用途

Grades, Typical Values (Not Warranted Values) and Applications

产品牌号 Grades		K8003	K8303	K6712	K7726	K7735	K9026	K7760
熔体流动速率 MFR	g/10min	2.5	2.0	15.0	29.0	40.0	26.0	63.0
拉伸屈服强度 Tensile Strength at yield	MPa	23.5	23.5	26.9	24.5	24.5	18.0	25.0
悬臂梁缺口冲击强度 Notched Izod impact Strength	(23℃，KJ/m²)	—	—	9.2	5.5	5	53	7
	(-20℃，KJ/m²)	5.8	5.8	—	—	—	—	—
弯曲模量 Flexural Modulus	MPa	1310	1310	1450	1320	1320	850	1300
主要用途 Applications		负重部件、汽车部件 Heavy Duty Parts, Automotive Parts	高抗冲器具、汽车部件 High-impact, Devices, Automotive Parts	洗衣机底座、小家电外壳、座椅 High-rigid, Washing Machines Bases, Shells of Small Household Appliances, Chairs	洗衣机料 Washing Machine barrel and parts	洗衣机料 Washing Machine barrel and parts	汽车部件 Automotive Parts	洗衣机料 Washing Machine barrel and parts
产品认证 Certifications		—	食品卫生/FDA/ROHS/EN71	—	食品卫生/FDA/ROHS/EN71	—	FDA/ROHS/EN71	食品卫生/FDA/ROHS/EN71
生产企业 Manufacturers		燕山 Yanshan	燕山 Yanshan	燕山 Yanshan	燕山 Yanshan	燕山 Yanshan	燕山 Yanshan	燕山 Yanshan

产品牌号 Grades		EPS30R	EPS30RA	SP179	EPS30R
熔体流动速率 MFR	g/10min	1.5	2.5	10.0	1.5
拉伸屈服强度 Tensile Strength at yield	MPa	24	24	19	22
悬臂梁缺口冲击强度 Notched Izod impact Strength	(23℃，KJ/m²)				320
	(-20℃，KJ/m²)	4	5	7	45
弯曲模量 Flexural Modulus	MPa	950	750	700	900
主要用途 Applications		负重部件、汽车部件 Heavy Duty Parts, Automotive Parts	负重部件、汽车部件 Heavy Duty Parts, Automotive Parts	汽车部件 Automotive Parts	负重部件、汽车部件 Heavy Duty Parts, Automotive Parts
产品认证 Certifications		ROHS	—	—	—
生产企业 Manufacturers		齐鲁 Qilu	齐鲁 Qilu	齐鲁 Qilu	天津 Tianjin

产品牌号 Grades		M700R	M180R	M2600R
熔体流动速率 MFR	g/10min	7.0	1.8	26.0
拉伸屈服强度 Tensile Strength at yield	MPa	31	21.6	24.5
悬臂梁缺口冲击强度 Notched Izod impact Strength	(23℃，J/m)	15	29.5	43
	(-20℃，J/m)	—	—	27
弯曲模量 Flexural Modulus	MPa	1100	900	1200
主要用途 Applications		汽车、蓄电池壳 Shells of Automobiles and Cases Batteries	周转箱、重包装 Transfer Cases, Heavy Duty	洗衣机内桶 Washing Machine Barrels
产品认证 Certifications		ROHS	食品卫生/FDA/PAHS	ROHS
生产企业 Manufacturers		上海 Shanghai	上海 Shanghai	上海 Shanghai

产品牌号 Grades		EPT30R	EPC30R-H	HHP4	HHP8	EPS30R	J-641
熔体流动速率 MFR	g/10min	3.5	9.0	28.0	8.0	1.8	15.0
拉伸屈服强度 Tensile Strength at yield	MPa	22	23	18	18	20	22
悬臂梁缺口冲击强度 Notched Izod impact Strength	(23℃，J/m)	130	75	80	200	200	8
弯曲模量 Flexural Modulus	MPa	900	950	900	800	900	1050
主要用途 Applications		玩具制品、蓄电池外壳 Toys, Shells of Storage Batteries	家用电器、包装用品 Household Appliances, Packages	薄壁注塑制品 Thin Injection Molding Products	薄壁注塑制品 Thin Injection Molding Products	家用电器、包装用品 Household Appliances, Packages	容器、杂品箱 Containers, Sundry Cases
产品认证 Certifications		食品卫生/FDA/ROHS/PAHS	食品卫生/FDA/ROHS/PAHS	ROHS	—	FDA	FDA/ROHS/PAHS
生产企业 Manufacturers		茂名 Maoming	茂名 Maoming	茂名 Maoming	茂名 Maoming	茂名 Maoming	广州 Guangzhou

产品牌号 Grades		J340	K8003	K9927	K9015	YPJ-1215C	YPJ-706	M180RI
熔体流动速率 MFR	g/10min	1.8	2.5	27.0	15.0	15.0	6.5	1.8
拉伸屈服强度 Tensile Strength at yield	MPa	25	21	18	14	20	20	25
简支梁缺口冲击强度 Notched Izod impact Strength	(23℃，KJ/m^2)	10	40	供方提供数据	供方提供数据	供方提供数据	供方提供数据	600
	(-20℃，KJ/m^2)	3	5	供方提供数据	供方提供数据	供方提供数据	供方提供数据	80
弯曲模量 Flexural Modulus	MPa	1000	900	800	600	900	1000	900
主要用途 Applications		玩具制品、蓄电池外壳 Toys, Shells of Storage Batteries	玩具制品、蓄电池外壳 Toys, Shells of Storage Batteries	洗衣机内桶 Washing Machine Barrels	汽车部件 Automotive Parts	汽车部件 Automotive Parts	瓶盖 Bottle Lips	周转箱、重包装 Transfer Boxes, Heavy Packages
产品认证 Certifications		食品卫生/ROHS	—	食品卫生/FDA/PAHS	—	—	食品卫生/FDA	—
生产企业 Manufacturers		扬子 Yangzi	扬子 Yangzi	扬子 Yangzi	扬子 Yangzi	扬子 Yangzi	扬子 Yangzi	上海 Shanghai